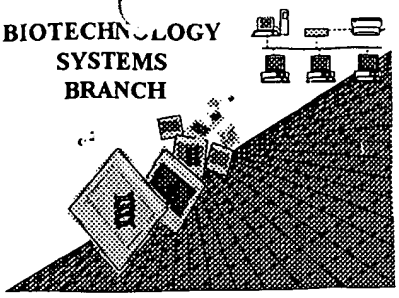
RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/875,221

Source: OIPE

Date Processed by STIC: 6/21/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/875,221

DATE: 06/21/2001
TIME: 17:18:43

Input Set : A:\CARP-0089.ST25
Output Set: N:\CRF3\06212001\I875221.raw

Does Not Comply
Corrected Diskette Needed

pp 1-2

3 <110> APPLICANT: Athwal, Diljeet
4 Brown, Derek
5 Weir, Andrew
6 Popplewell, Andrew
7 Chapman, Andrew
8 King, David
10 <120> TITLE OF INVENTION: Biological Products
12 <130> FILE REFERENCE: CARP-0089
OK-> 14 <140> CURRENT APPLICATION NUMBER: US/09/875,221
15 <141> CURRENT FILING DATE: 2001-06-06
17 <150> PRIOR APPLICATION NUMBER: 0013810.7GB
18 <151> PRIOR FILING DATE: 2000-06-06
20 <160> NUMBER OF SEQ ID NOS: 115
22 <170> SOFTWARE: PatentIn Ver. 3.0

ERRORED SEQUENCES

37 <210> SEQ ID NO: 2
38 <211> LENGTH: 17 OK
39 <212> TYPE: PRT
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence:hTNF40/human hybrid
E--> 44 CDRH2
W--> 46 <210> SEQ ID NO:
W--> 46 <211> LENGTH:
W--> 46 <212> TYPE:
W--> 46 <213> ORGANISM:

move up

ignore - these are shown due to above error

46 <400> SEQUENCE: 2
OK> 47 Trp Ile Asn Thr Tyr Ile Gly Glu Pro Ile Tyr Ala Asp Ser Val Lys
48 1 5 10 15
50 Gly
351 <210> SEQ ID NO: 16
352 <211> LENGTH: 21 23 shown
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: Description of Artificial Sequence:primer CH4
359 <400> SEQUENCE: 16
E--> 360 atgractttg ggytcagctt grt 23
387 <210> SEQ ID NO: 19
388 <211> LENGTH: 25 26 (next page)
389 <212> TYPE: DNA
390 <213> ORGANISM: Artificial Sequence
392 <220> FEATURE:
393 <223> OTHER INFORMATION: Description of Artificial Sequence:primer CH7

RAW SEQUENCE LISTING DATE: 06/21/2001
PATENT APPLICATION: US/09/875,221 TIME: 17:18:43

Input Set : A:\CARP-0089.ST25
Output Set: N:\CRF3\06212001\I875221.raw

395 <400> SEQUENCE: 19
E--> 396 atggratgga gckggrtctt tmtctt
1595 <210> SEQ ID NO: 107
1596 <211> LENGTH: 13 14 shown
1597 <212> TYPE: PRT
1598 <213> ORGANISM: Artificial Sequence
1600 <220> FEATURE:
1601 <223> OTHER INFORMATION: Description of Artificial Sequence:human group 3 consensus
1602 framework H2
1604 <400> SEQUENCE: 107
1605 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser
E--> 1606 1 5 10

25 26

PSI

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY DATE: 06/21/2001
PATENT APPLICATION: **US/09/875,221** TIME: 17:18:44

Input Set : **A:\CARP-0089.ST25**
Output Set: **N:\CRF3\06212001\I875221.raw**

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:44 M:252 E: No. of Seq. differs, <211>LENGTH:Input:17 Found:0 SEQ:2
L:46 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:46 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:46 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:46 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:360 M:252 E: No. of Seq. differs, <211>LENGTH:Input:21 Found:23 SEQ:16
L:396 M:254 E: No. of Bases conflict, LENGTH:Input:25 Counted:26 SEQ:19
L:396 M:252 E: No. of Seq. differs, <211>LENGTH:Input:25 Found:26 SEQ:19
L:1491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102
L:1518 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:103
L:1522 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:103
L:1548 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:104
L:1575 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:105
L:1606 M:252 E: No. of Seq. differs, <211>LENGTH:Input:13 Found:14 SEQ:107